

Message

From: Daniel Krewski [dkrewski@uottawa.ca]
Sent: 12/18/2017 4:31:06 PM
To: Bahadori, Tina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7da7967dcafb4c5bbc39c666fee31ec3-Bahadori, Tina]
CC: Thayer, Kris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3ce4ae3f107749c6815f243260df98c3-Thayer, Kri]; Paul Payette [ppayette@risksciences.com]; Greg Paoli [gpaoli@RiskSciences.com]
Subject: Categorical Regression
Attachments: 2017 Milton et al RISK ANALYSIS U-shaped dose-response.pdf; 2017 Milton et al NEUROTOXICOLOGY Mn CatReg.pdf; 2017 Mattison et al NEUROTOXICOLOGY Mn severity scoring.pdf; 2017 Ramoju et al NEUROTOXICOLOGY Mn PBPK.pdf; 2016 Yetley et al AJCN DRIs.pdf

Tina, I'm attaching several publications on our most recent work on the application of categorical regression to copper and manganese – both applications have shown the ability of CatReg to combine all relevant dose-response data spanning multiple endpoints into a single dose-response analysis.

The success we have had with CatReg (which EPA pioneered) in these two applications suggests considerable potential for future applications of this methodology in other data-rich quantitative risk assessment contexts.

The approach has also attracted attention of a recent Health Canada-NIH panel looking at methods for setting DRIs for nutrients in food (see Yetley paper attached).

Happy to discuss my thoughts on this further with you at your convenience . . .

With best regards.

Daniel Krewski, PhD, MHA
NSERC Chair in Risk Science
Professor and Director
McLaughlin Centre for Population Health Risk Assessment
University of Ottawa
Room 216A, 600 Peter Morand Crescent, Ottawa, Ontario CANADA K1G 5Z3
Tel: 613-562-5381/Fax: 613-562-5380
www.mclaughlincentre.ca
www.riskcom.ca

Administrative Assistant: François Dubé
Tel: 613-562-5381
Email: cphra@uottawa.ca

Project Coordinator: Shalu Darshan, PhD
Email: sdarshan@uottawa.ca

Additional coordinates at Risk Sciences International:

Daniel Krewski, PhD, MHA
Chief Risk Scientist, CEO
Risk Sciences International
55 Metcalfe Street, Suite 700
Ottawa, Ontario CANADA K1P 6L5
Tel: (613) 260-1424 X114/Fax: (613) 260-1443

Email: dkrewski@risksciences.com

www.risksciences.com

Project Coordinator: Heather Underwood, MBA

Tel: (613) 260-1424 X114

Email: hunderwood@risksciences.com

Office Administrator: Monique MacDonald

Tel: 613-260-1424 X111

Email: mmacdonald@risksciences.com